

# B7-like cross-reactive motif

YFW								
+								
YFW	2	YFW	STC	YFW	YFW	A	P	
1	2	3	4	5	6	7	8	9
A		DE	QN		DE	QN	DE	
DE					G	A		
G								
P						G		
-								

\* Motif is comprised of all residues which are "+" or "-" for two or more alleles.

FIGURE 1

Figure 2

B*0702	preferred	RHK FWY	Position 2 anchor  P	RHK	RHK	RHK	RHK	P A	C-terminal anchor A L I V M F W Y
		1		3	4	5	6	7 8	
	deleterious	DE QN P		DE P	DE	DE	G DE	QN DE	

B*3501	preferred	LIVM FWY	Position 2 anchor  P	FWY				FWY	C-terminal anchor A L I V M F W Y
		1		3	4	5	6	7 8	
	deleterious	A G P				G	G		

B51	preferred	LIVM	Position 2 anchor  P									C-terminal anchor A L I V M F W Y
		FWY		FWY	STC	FWY	G		FWY			
		1		3	4	5	6	7	8			
	deleterious	AGPDE		DE		G	DE	G				
RHK					QN	DE						
		STC										

B*5301	preferred	LIVM FWY	Position 2 anchor  P	FWY	STC	FWY		LIVM FWY	FWY	C-terminal anchor A L I V M F W Y
		1		3	4	5	6	7	8	
	deleterious	A GP QN					G	RHK QN	DE	

B*5401	preferred	FWY	Position 2 anchor  P	FWY				A LIVM	FWY	C-terminal anchor A L I V M F W Y
		1		LIVM		LIVM		LIVM	P	
	deleterious	GP QN DE		G DE STC		DE RHK	DE	QN G DE	DE	

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